AZ cont.

linear coefficient, and t is the product of the driving voltage related with x and the operation temperature of the filter.

REMARKS

No new matter has been entered.

No additional fee is believed to be necessitated by the foregoing amendments. However, should this be erroneous, authorization is hereby given to charge Deposit Account No. 11-1153 for any underpayment, or credit any overages.

Applicants respectfully request entry of the foregoing amendment into the file history of the above-identified Application being filed herewith. Early and favorable action on the pending set of claims is earnestly solicited.

Respectfully submitted,

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Date: 4/24/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Sung-Jin Park *et al.*	ART UNIT: Unassigned
SERIAL NO.:	10/054,049	EXAMINER: Unassigned
FILED:	January 22, 2002	
FOR:	METHOD AND APPARATUS FOR MONITORING WDM OPTICAL SIGNAL	

PRELIMINARY AMENDMENT WITH MARKINGS TO SHOW CHANGES MADE

ASSISTANT COMMISSIONER FOR PATENTS
NON FEE AMENDMENT
WASHINGTON, DC 20231

Dear Sir:

In accordance with Rule 115 of the Rules of Practice please consider the following amendment and remarks:

IN THE DRAWINGS:

Attached hereto is one sheet (Fig. 11) representing proposed revision to the drawing as originally filed. The proposed revision is shown in red ink as required. The proposed correction merely corrects mislabeled notation when originally filed and involves no new matter.

IN THE CLAIMS:

Please amend claims 11 and 18 as follows:

11. The optical signal monitoring method of claim [8] 9, wherein the non-linear compensation formula is expressed as:

$$\lambda = x + (x - X_1)(x - X_2)\sum_{m=0}^{M}\sum_{n=0}^{N} c_{m,n}x^m t^n Ax + (x - X_1)(x - X_2)P_{MN}(x,t) \ldots\ldots (10)$$

where λ is the non-linear compensated wavelength, x is the linear approximated wavelength, X_1 is a first predetermined wavelength, X_2 is a second predetermined wavelength, M is an arbitrary integer, N is an arbitrary integer, $c_{m,n}$ is an $(m, n)^{th}$-order non-linear coefficient, and t is the product of the driving voltage related with x and the operation temperature of the filter.

18. The optical signal monitoring apparatus of claim [15] 16, wherein the non-linear compensation formula is expressed as:

$$\lambda = x + (x - X_1)(x - X_2)\sum_{m=0}^{M}\sum_{n=0}^{N} c_{m,n}x^m t^n Ax + (x - X_1)(x - X_2)P_{MN}(x,t) \ldots\ldots (13)$$

where λ is the non-linear compensated wavelength, x is the linear approximated wavelength, X_1 is a first predetermined wavelength, X_2 is a second predetermined wavelength, M is an arbitrary integer, N is an arbitrary integer, $c_{m,n}$ is an $(m, n)^{th}$-order non-linear coefficient, and t is the product of the driving voltage related with x and the operation temperature of the filter.